

**ABSTRACT OF THE DISCLOSURE**

[0026] A processor may include a processor core, which interprets and executes instructions, and a system bus interface, which enables the processor to communicate with a system. The system bus interface may include a fill bus and a DMA bus. The system bus interface may include a bridge between the fill bus and the DMA bus which enables the system bus interface to re-route information placed on the fill bus onto the DMA bus and back into the core.

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